

Kennecott Utah Copper Corporation
8315 West 3595 South
P.O. Box 6001
Magna, Utah 84044-6001
Tel: (801) 252-3257
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Paula H. Doughty
Manager, Environmental Compliance

M/035/002
Kennecott

January 31, 2000

Mr. Wayne Hedberg, Permit Supervisor
Minerals Reclamation Program
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801

RECEIVED

JAN 31 2000

**DIVISION OF
OIL, GAS AND MINING**

RE: Annual Reports for 1999, Kennecott Utah Copper Corporation

Dear Mr. Hedberg:

Enclosed are the completed annual report forms for the following DOGM permits:

M/035/002	Bingham Pit and UCD Modernization,
M/035/011	4th Line/Copperton Concentrator,
M/035/015	North Impoundment,
M/045/004	Pine Canyon Reclamation Project.

As in last year's reports, all disturbed and reclaimed acreage on the existing tailings impoundment is reported under permit number M/035/002.

In addition to the reclamation activities documented in the attached reports, the following work was conducted by KUCC in the Oquirrh Mountains outside of the DOGM jurisdictional boundaries:

Refinery Area – 14 acres at Pond C – contaminated sludge removal, soil placement, recontouring

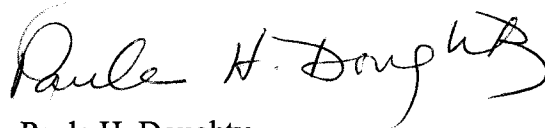
Smelter Area – 6 acres at Hazelton – contaminated soil removal recontouring

0022

In 1999 KUCC spent more than 700,000 dollars on reclamation activities within the boundaries of permit #M/035/002. These costs included purchases of seed, fertilizer, mycorrhizae and seedlings, biosolids application and other surface preparation, seed application and planting. Excluded from these costs are such activities as contaminated soil removals, major recontouring efforts and soil emplacement that were paid for by individual construction and remediation projects. After correcting for inflation, this equates to more than \$250,000 spent in 1978 dollars. This is well in excess of the \$50,000 annual expenditure required by permit #M/035/002.

If you have any questions about these annual reports, please contact Rich Borden at 569-6208.

Sincerely,

A handwritten signature in cursive script, reading "Paula H. Doughty". The signature is written in dark ink and is positioned above the printed name and title.

Paula H. Doughty
Manager, Environmental Compliance

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291
Fax: (801) 359-3940

ANNUAL REPORT OF MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, as amended, and the General Rules as promulgated under the Utah Minerals Regulatory Program. An operator conducting mining operations under a Notice of Intention must file an annual operations and progress report (FORM MR-AR) with the Division.

I. General Information

1. Report Time Period: From (mo./yr.) **1/99** To (mo./yr.) **12/99**
2. DOGM File Number (Mine No.): **M/035/002**
3. Mine Name: **Bingham Pit & UCD Modernization**
4. Mineral(s) Mined (or permitted to mine): **Copper and associated metals.**
5. Type of mine: ☒ Surface Mine or ☐ Underground Mine
6. Legal Description, (Location of Lands Affected):

Sections 7, 8, 9, 10, 11, 17, 18, 19, 20, 21, 30, & 32T1S, R2W;
Sections 9, 11, 12, 13, 14, 15, 16, 22, 23, 24, 25, 26 & 36.....T1S, R3W;
Sections 4, 5, 9, 10, 11, 14, 15, 22, 23, 27 & 33.....T2S, R2W;
Sections 7, 17, 18 & 19.....T3S, R1W;
Sections 4, 8, 9, 13, 14, 15, 16, 17, 19, 20, 21, 24, 25,
28, 29, 30, 31, & 32.....T3S, R2W;
Sections 11, 12, 13, 14, 15, 21, 22, 23, 24, 25, 26, 27,
33, 34, 35 & 36.....T3S, R3W;
Sections 6 & 7.....T4S, R2W;
Sections 1, 2, 3, 11 & 12.....T4S, R3W;

Salt Lake Base and Meridian, Salt Lake County, Utah

7. Name of Operator or Company: Kennecott Utah Copper Corporation
8. Permanent Street Address: P. O. Box 6001
City, State, Zip: 8315 W. 3595 South
Magna, UT 84044
Phone: (801) 252-3257
Fax: (801) 252-3125
9. Company Representative (or designated operator):
Name: Paula Doughty
Title: Manager, Environmental Compliance
Business Address: P. O. Box 6001
City, State, Zip: Magna, UT 84044
Phone: (801) 252-3257
Fax: (801) 252-3125

☐ Please check if any of the above information has changed since previous year.

II. Mining and Reclamation

1. Was the mine active during the past year? Yes ☒ No ☐
2. If no - what was the last year of activity? NA
3. If yes - how much ore or mineral was mined?

64.4 million short tons

4. Briefly describe the type of work performed, volume of material moved, and any new or additional surface disturbances that occurred during the past year.

A total of 104 million short tons of waste rock were produced at the mine in 1999. Most of this rock was placed into the existing Bingham Canyon waste rock disposal area. Tailings continued to be placed into the active portion of the existing tailings impoundment.

5. How much **additional acreage** was disturbed during the year?

A total of 103 additional acres were disturbed by waste rock disposal activities at the mine in 1999.

6. How much acreage was **reclaimed** during the past year?

A total of 504 acres were reclaimed at the mine and tailings impoundment in 1999.

7. Briefly describe the reclamation work performed during the past year. This description should include methods employed, and an evaluation of the results.

The following reclamation activities were completed in 1999:

West Stepback of Impoundment	482 acres were removed from active tailings disposal 200 acres were treated with biosolids 482 acres were seeded
Queen and upper Midas Waste Waste Rock Disposal Areas	56 acres had power poles removed, were recontoured and had biosolids applied 18 acres were planted with mycorrhizae inoculated and uninoculated seedlings
Southeast side of Pit above 7350 feet	Mycorrhizae inoculated and uninoculated seedlings were planted on four pit benches totaling 2 acres
Magna Concentrate Loading Site	Metals contaminated soils were removed from 2 acres, site was recontoured and seeded
Disturbed areas on Impoundment	several hundred acres were slightly recontoured and seeded for dust control

A total of 13,200 mycorrhizae inoculated seedlings and 400 uninoculated seedlings were planted in a variety of test areas around the mine in the late fall of 1999. Most seeded areas were also treated with fertilizer or biosolids. It should be noted that the areas that were seeded in the spring had shown vigorous growth and successful establishment by late fall. Those areas seeded or planted in the fall of 1999 will be evaluated in the spring of 2000.

7. What is the total disturbed acreage at years end?

Based upon the results of an aerial photographic survey flown on August 5, 1998, and the new disturbance and reclamation completed in 1999, the total disturbed acreage within the permit boundaries at the end of 1999 was 12,756 acres. It should be noted that this disturbed area includes more than 1000 acres on the tailings pond embankment which have undergone interim reclamation for dust control.

8. Briefly summarize any mining and/or reclamation plans for the upcoming year.

The 2000 Reclamation Activities Plan is being prepared and will be submitted to the Division by February 28, 2000.

NOTE: Section III., "Additional Information" applies only to **large mining operations.**

III. Additional Information

1. An updated surface facilities map should be attached if there have been significant changes since the previous map was submitted.

No new maps are attached because there have been no significant changes since the previous maps were submitted in 1998.

2. Any monitoring results or other reports that are required under the terms of the approved notice of intention should also be submitted.

The 2000 Reclamation Activities Plan will be submitted to the Division by February 28, 2000.

IV. Signature Requirement

I hereby certify that the foregoing is true and correct.

Name (Typed or Print): Paula Doughty

Title of Operator: Manager, Environmental Compliance

Signature of Operator: Paula Doughty

Date: 1/28/00